

§ 58.03-1

46 CFR Ch. I (10-1-03 Edition)

(4) Any equipment used to prepare fuel oil for delivery to an oil-fired boiler, or equipment used to prepare heated oil for delivery to an internal-combustion engine, including any oil-pressure pumps, filters, and heaters dealing with oil pressures above 26 psi.

(b) As far as practicable, each fuel-oil tank must be part of the vessel's structure and be located outside a machinery space of category A.

(c) If a fuel-oil tank, other than a double-bottom tank, must be located adjacent to or within a machinery space of category A—

(1) At least one of its vertical sides must be contiguous to the boundary of the machinery space;

(2) The tank must have a common boundary with the double-bottom tanks; and

(3) The area of the tank boundary common with the machinery spaces must be kept as small as practicable.

(d) If a fuel-oil tank must be located within a machinery space of category A, it must not contain fuel oil with a flashpoint of less than 60 °C (140 °F).

(e) In general, no freestanding fuel-oil tank is permitted in any machinery space of Category A on a passenger vessel. A freestanding fuel-oil tank is permitted in other spaces only if authorized by the Commanding Officer, Marine Safety Center. If so authorized, each freestanding fuel-oil tank must—

(i) Comply with Subpart 58.50 of this subchapter; and

(ii) Be placed in an oil-tight spill tray with a drain pipe leading to a spill-oil tank.

(f) No fuel-oil tank may be located where spillage or leakage from it can constitute a hazard by falling on heated surfaces. The design must also prevent any oil that may escape under pressure from any pump, filter, or heater from coming into contact with heated surfaces.

[CGD 83-043, 60 FR 24776, May 10, 1995]

Subpart 58.03—Incorporation of Standards

§ 58.03-1 Incorporation by reference.

(a) Certain material is incorporated by reference into this part with the approval of the Director of the Federal

Register in accordance with 5 U.S.C. 552(a). To enforce any edition other than that specified in paragraph (b) of this section, the Coast Guard must publish notice of change in the FEDERAL REGISTER and make the material available to the public. All approved material is on file at the Office of the Federal Register, 800 North Capitol Street, NW., suite 700, Washington, DC, and at the U.S. Coast Guard, Office of Design and Engineering Standards (G-MSE), 2100 Second Street SW., Washington, DC 20593-0001 and is available from the sources indicated in paragraph (b) of this section.

(b) The material approved for incorporation by reference in this part and the sections affected are:

American Boat and Yacht Council (ABYC)

3069 Solomons Island Road, Edgewater, MD 21037

P-1-73, Safe Installation of Exhaust Systems for Propulsion and Auxiliary Machinery, 197358.10-5

American Bureau of Shipping (ABS)

ABS Plaza, 16855 Northchase Drive, Houston, TX 77060

Rules for Building and Classing Steel Vessels, 1989.....58.01-5; 58.05-1; 58.10-15; 58.20-5; 58.25-5

American National Standards Institute (ANSI)

11 West 42nd Street, New York, NY 10036

ANSI B31.3, Chemical Plant and Petroleum Refinery Piping, 1987.....58.60-7

ANSI B31.5, Refrigeration Piping, 1987 58.20-5; 58.20-20

ANSI B93.5, Recommended practice for the use of Fire Resistant Fluids for Fluid Power Systems, 1979.....58.30-10

American Petroleum Institute (API)

1220 L Street NW., Washington, DC 20005—4070.

API RP 14C, Analysis, Design, Installation and Testing of Basic Surface Safety Systems for Offshore Production Platforms, 198658.60-9

API RP 53, Recommended Practice for Blowout Prevention Equipment Systems for Drilling Wells, 198458.60-7

American Society of Mechanical Engineers (ASME) International

Three Park Avenue, New York, NY 10016—5990.

Boiler and Pressure Vessel Code, Section I, Power Boilers, July 1989 with 1989 addenda58.30-15

Coast Guard, Dept. of Homeland Security

§ 58.05-5

Section VIII, Division 1, Pressure Vessels, July 1989 with 1989 addenda 58.30-15

American Society for Testing and Materials (ASTM)

100 Barr Harbor Drive, West Conshohocken, PA 19428-2959.

ASTM A 193/A 193M-98a, Standard Specification for Alloy-Steel and Stainless Steel Bolting Materials for High-Temperature Service 58.30-15

ASTM B 96-93, Standard Specification for Copper-Silicon Alloy Plate, Sheet, Strip, and Rolled Bar for General Purposes and Pressure Vessels 58.50-5

ASTM B 122/B 122M-95, Standard Specification for Copper-Nickel-Tin Alloy, Copper-Nickel-Zinc Alloy (Nickel Silver), and Copper-Nickel Alloy Plate, Sheet, Strip, and Rolled Bar 58.50-5

ASTM B 152-97a, Standard Specification for Copper Sheet, Strip, Plate, and Rolled Bar 58.50-5

ASTM B 209-96, Standard Specification for Aluminum and Aluminum-Alloy Sheet and Plate 58.50-10

ASTM D 92-97, Standard Test Method for Flash and Fire Points by Cleveland Open Cup 58.30-10

ASTM D 93-97, Standard Test Methods for Flash Point by Pensky-Martens Closed Cup Tester 58.01-10

ASTM D 323-94, Standard Test Method for Vapor Pressure of Petroleum Products (Reid Method) 58.16-5

International Maritime Organization (IMO)

Publications Section, 4 Albert Embankment, London SE1 7SR, United Kingdom

A.467(XII), Guidelines for Acceptance of Non-Duplicated Rudder Actuators for Tankers, Chemical Tankers and Gas Carriers of 10,000 Tons Gross Tonnage and Above But Less Than 100,000 Tonnes Deadweight, 1981—58.25-60

A.468(XII), Code on Noise Levels on Board Ships, 1981—58.01-50

Military Specifications (MIL-SPEC)

Naval Publication and Forms Center, Code 1052, 5801 Tabor Avenue, Philadelphia, PA 19120

MIL-S-901, Requirements for High Impact Shock Tests of Shipboard Machinery Equipment and Systems, 1963 58.30-17

National Fire Protection Association (NFPA)

1 Batterymarch Park, Quincy, MA 02269
NFPA 302, Fire Protection Standard for Pleasure and Commercial

Craft, 1989 58.10-5

Society of Automotive Engineers (SAE)

400 Commonwealth Drive, Warrendale, PA 15096

SAE J-1928, Devices Providing Back-fire Flame Control for Gasoline Engines in Marine Applications, 1989 58.10-5

Underwriters Laboratories, Inc. (UL)

12 Laboratory Drive, Research Triangle Park, NC 27709

UL 1111, Marine Carburetor Flame Arresters, 1988 58.10-5

[CGD 88-032, 56 FR 35823, July 29, 1991, as amended by CGD 83-043, 60 FR 24776, May 10, 1995; CGD 95-012, 60 FR 48050, Sept. 18, 1995; CGD 95-072, 60 FR 50462, Sept. 29, 1995; CGD 96-041, 61 FR 50728, Sept. 27, 1996; CGD 97-057, 62 FR 51044, Sept. 30, 1997; USCG-1999-6216, 64 FR 53224, Oct. 1, 1999; USCG-1999-5151, 64 FR 67180, Dec. 1, 1999; USCG-2000-7790, 65 FR 58460, Sept. 29, 2000]

Subpart 58.05—Main Propulsion Machinery

§ 58.05-1 Material, design and construction.

(a) The material, design, construction, workmanship, and arrangement of main propulsion machinery and of each auxiliary, directly connected to the engine and supplied as such, must be at least equivalent to the standards established by the American Bureau of Shipping or other recognized classification society, except as otherwise provided by this subchapter.

(b) When main and auxiliary machinery is to be installed without classification society review, the builder shall submit in quadruplicate to the cognizant Officer in Charge, Marine Inspection, such drawings and particulars of the installation as are required by the American Bureau of Shipping rules for similar installations on classed vessels.

[CGFR 68-82, 33 FR 18878, Dec. 18, 1968, as amended by CGD 83-043, 60 FR 24776, May 10, 1995]

§ 58.05-5 Astern power.

(a) All vessels shall have sufficient power for going astern to secure proper control of the ship in all normal circumstances.